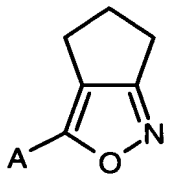
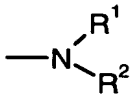
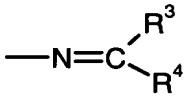
Patent Claims

1. A compound of the formula (I)



(I)

in which

A represents a radical radical  or  ,

in which

R^1 and R^2 independently of one another represent hydrogen, halogen, cyano, nitro or represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl, heterocyclyl, -COR^5, -$CONR^6$, -$CSNR^7$ or -SO_2R^8,

where

R^5 to R^8 independently of one another represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl or heterocyclyl,

and

R^3 and R^4 independently of one another represent hydrogen, or represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl and heterocyclyl,

or a salt or acid addition compound thereof.

2. A compound as claimed in claim 1, characterized in that

R^1 and R^2 independently of one another represent hydrogen, halogen, cyano, nitro or in each case optionally substituted C_1-C_8-alkyl, C_2-C_8-alkenyl, C_2-C_8-alkynyl, phenyl or heterocyclyl, or represent a radical -COR^5, $CONR^6$, -$CSNR^7$ or -SO_2R^8,

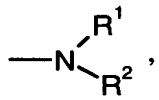
where

R^5 to R^8 independently of one another represent hydrogen, halogen, cyano, nitro or represent in each case optionally substituted C_1-C_8-alkyl, C_2-C_8-alkenyl, C_2-C_8-alkynyl, phenyl or heterocyclyl, and

R^3 and R^4 independently of one another represent hydrogen, halogen, cyano, nitro or represent in each case optionally substituted C_1-C_8-alkyl, C_2-C_8-alkenyl, C_2-C_8-alkynyl, phenyl or heterocyclyl.

3. A process for preparing compounds of the the formula (I) as claimed in claim 1

in which

A represents a radical  ,

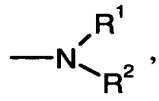
and

R^1 and R^2 represent hydrogen,

characterized in that hydroxylamine or its salts are reacted with 2-amino-1-cyclopentene-1-carbonitrile, if appropriate in the presence of diluents and if appropriate in the presence of a catalytic or stoichiometric amount of base.

4. A process for preparing compounds of the formula (I) as claimed in claim 1

in which

A represents a radical  ,

and

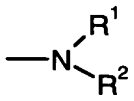
R^1 and R^2 independently of one another represent halogen, cyano, nitro or represent in each case optionally substituted alkyl, alkenyl, alkynyl, aryl, heterocycyl, -COR^5, -$CONR^6$, -$CSNR^7$ or –SO_2R^8,

and

R^5 to R^8 are as defined in claim 1,

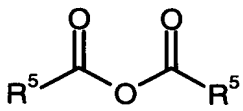
characterized in that compound of the formula (I)

in which

A represents a radical  , and

R^1 and R^2 represent hydrogen, is reacted

a) with carboxylic anhydrides of the formula (II),

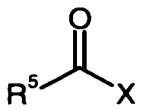
 (II)

in which

R^5 is as defined in claim 1

or

b) with carbonyl halides of the formula (III)

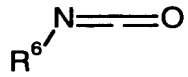
 (III)

in which

R^5 is as defined in claim 1 and X represents Cl and Br ,

or

c) with isocyanates of the formula (IV)



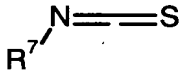
(IV)

in which

R^6 is as defined in claim 1

or

d) with isothiocyanates of the formula (V)



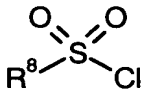
(V)

in which

R^7 is as defined in claim 1

or

e) with sulfonyl chlorides of the formula (VI)



(VI)

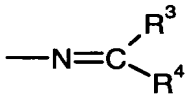
in which

R^8 is as defined in claim 1,

if appropriate in the presence of diluents and if appropriate in the presence of a catalytic or stoichiometric amount of base.

5. A process for preparing compounds of the formula (I) as claimed in claim 1

in which

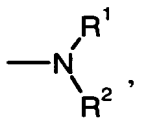
A represents 

and

R^3 and R^4 are as defined in claim 1,

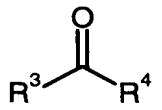
characterized in that compound of the formula (I)

in which

A represents  ,

and R^1 and R^2 represent hydrogen,

is reacted with aldehydes or ketones of the formula (VII)

 (VII)

in which

R^3 and R^4 are as defined in claim 1,

if appropriate in the presence of diluents and if appropriate in the presence of a catalytic or stoichiometric amount of base.

6. A microbicidal composition, comprising at least one compound as claimed in at least one of claims 1 and 2 and at least one solvent or diluent and also, if appropriate, processing auxiliaries and, if appropriate, further antimicrobially active compounds.

7. A composition as claimed in claim 6, characterized in that it comprises at least one further antimicrobially active compound from the group of the fungicides, bactericides, herbicides and/or insecticides.

8. The use of compounds as claimed in at least one of claims 1 and 2 as a microbicide for protecting industrial materials.

9. The use as claimed in claim 8, characterized in that the industrial materials are adhesives, sizes, paper, board, leather, wood, timber products, paints, cooling lubricants and heat-transfer liquids.

10. A method for protecting industrial materials against infestation and/or destruction by microorganisms, characterized in that at least one compound as claimed in at least one of claims 1 and 2 is allowed to act on the microorganism or its habitat.

11. An industrial material, comprising at least one compound as claimed in at least one of claims 1 and 2.